



Cal OES
GOVERNOR'S OFFICE
OF EMERGENCY SERVICES

California OES Atmospheric River Event Weather Threat Briefing

20 February 2017
10:00 AM PST

**Day 1: Very heavy precipitation today along
with increasing strong and damaging winds.**

National Weather Service
Western Region Headquarters
Regional Operations Center
Salt Lake City, UT



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Key Impacts

Precipitation: Very heavy precipitation is expected today and overnight. Rockslides and mudslides are likely along mountain slopes and steep grades. Snow levels will fall to 5000 feet tonight with 3 feet of snow expected over the Sierra today through Wednesday afternoon. Travel will be exceptionally difficult through mid-week.

Winds: Very strong and gusty winds expected today and overnight. Winds will be capable of downing trees and powerlines, blowing debris, causing widespread and potentially prolonged power outages. Downed trees and powerlines could block roads and make travel difficult.

Flooding: We could see flooding today and Tuesday in areas that haven't yet flooded this winter. The additional precipitation will lead to increased stress on levees, rivers, creeks and streams. Significant additional inflow to reservoirs, streams and mainstem rivers expected through midweek.



California OES Impact Threat Matrix

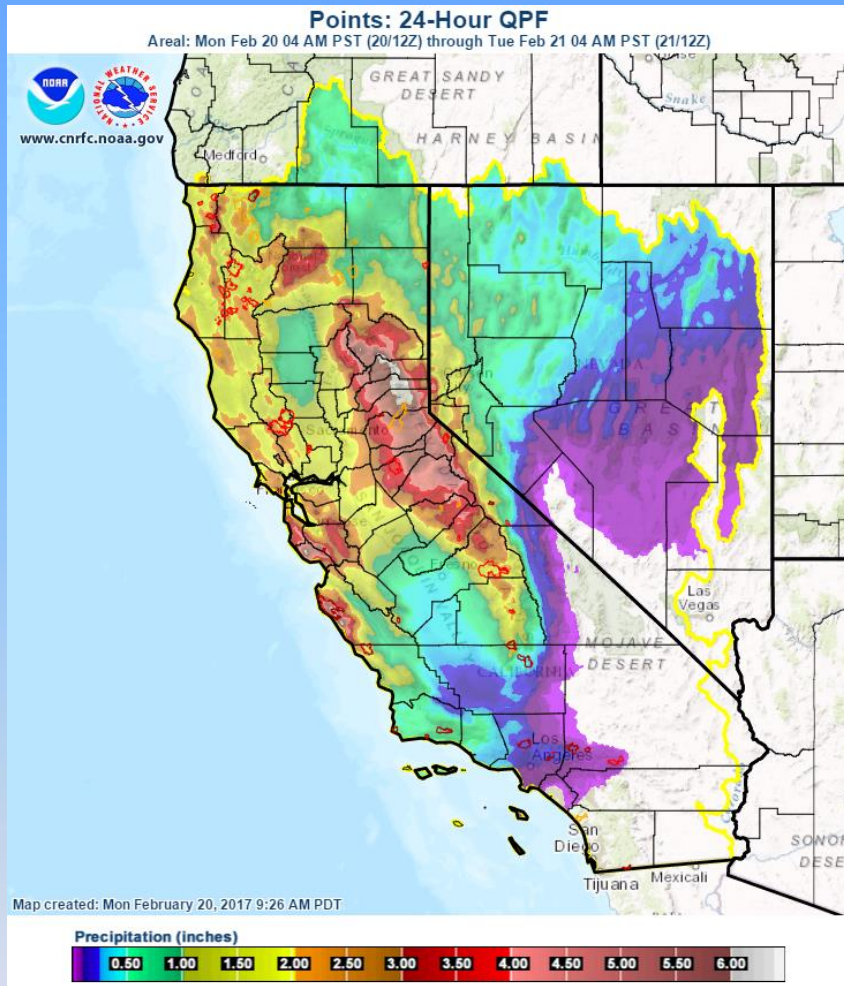
Feb 20, 2017 – Feb 26, 2017

DAY/THREAT	MON	TUE	WED	THU	FRI	SAT	SUN
Freezing Rain							
Winds							
Snow							
Heavy Rain/ Flash Flooding							
Debris Flows/Mud Slides							
River Flooding							

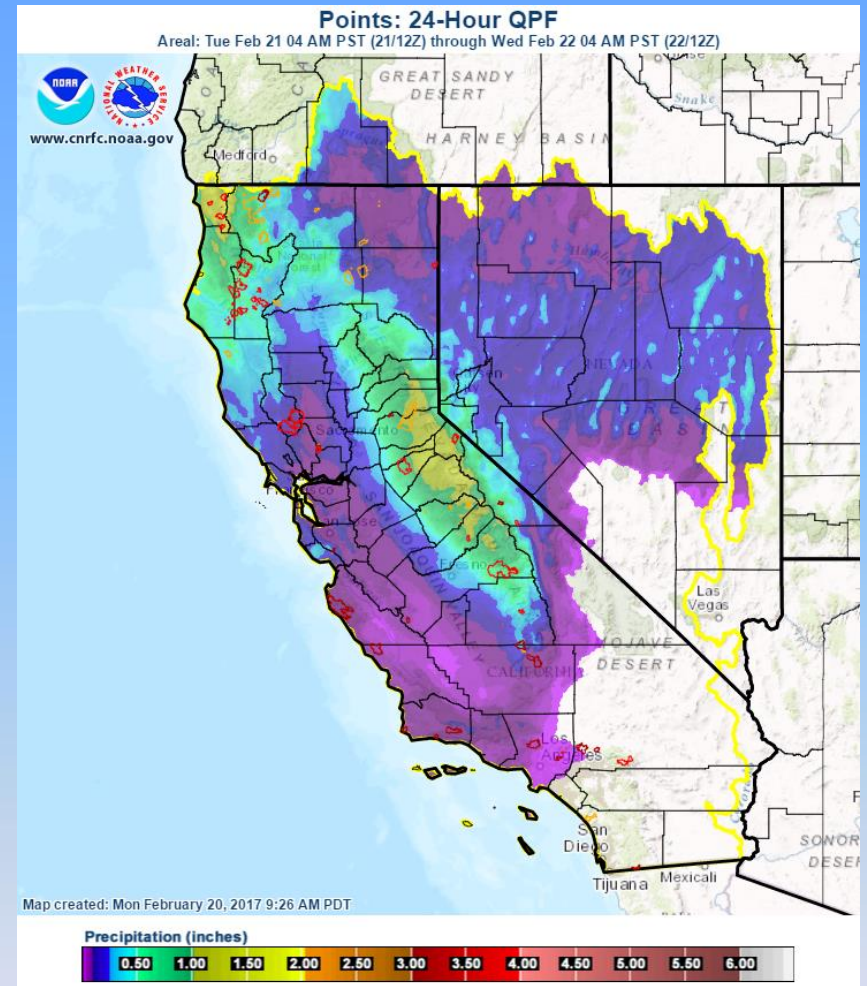
	High Threat
	Moderate Threat
	Slight Threat
	No Discernible Threat



Days 1-2 Precipitation Forecast



Today



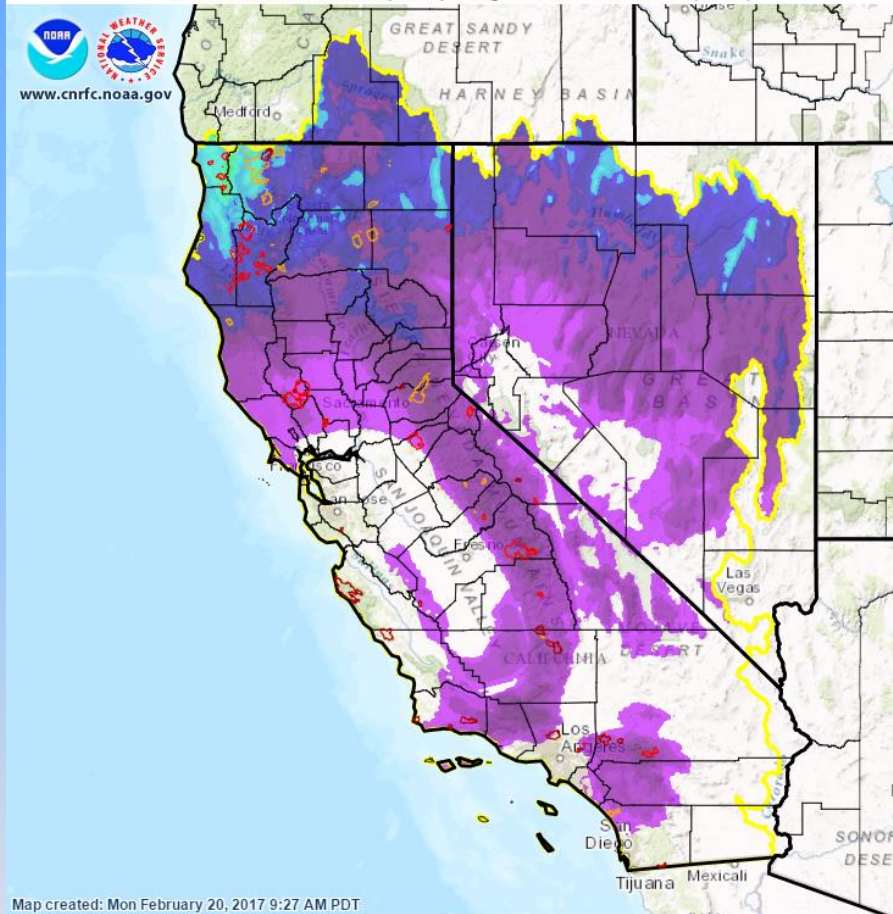
Tuesday



Days 3-4 Precipitation Forecast

Points: 24-Hour QPF

Areal: Wed Feb 22 04 AM PST (22/12Z) through Thu Feb 23 04 AM PST (23/12Z)



Map created: Mon February 20, 2017 9:27 AM PDT

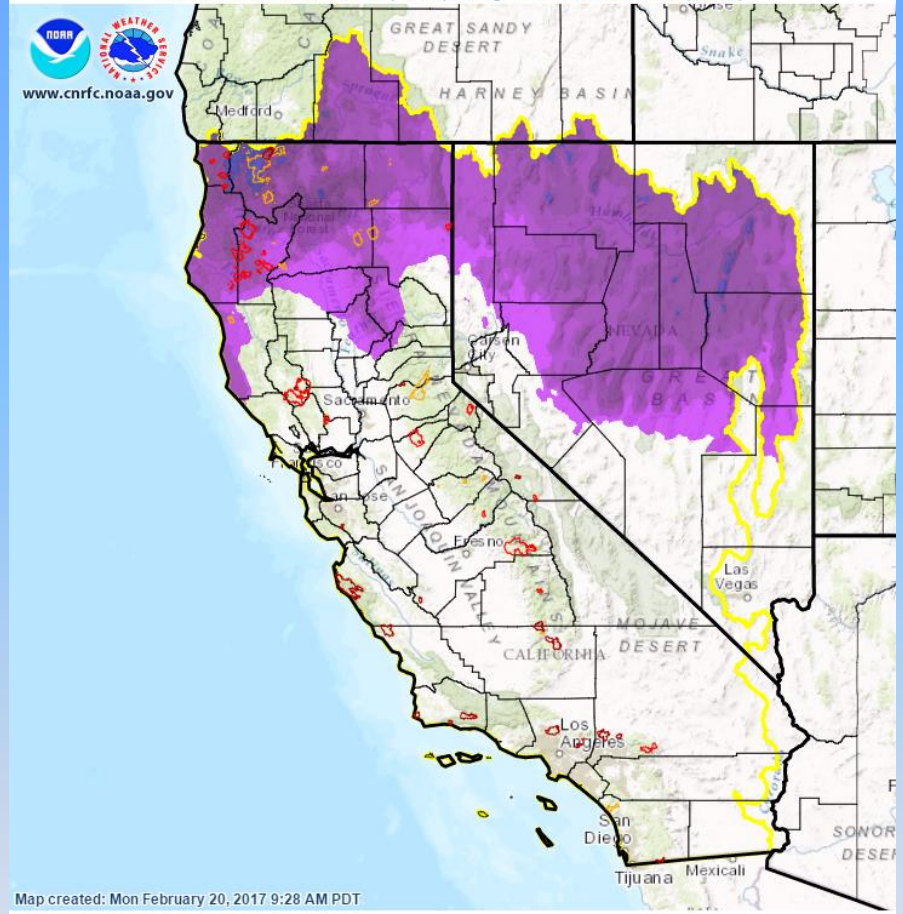
Precipitation (inches)



Wednesday

Points: 24-Hour QPF

Areal: Thu Feb 23 04 AM PST (23/12Z) through Fri Feb 24 04 AM PST (24/12Z)



Map created: Mon February 20, 2017 9:28 AM PDT

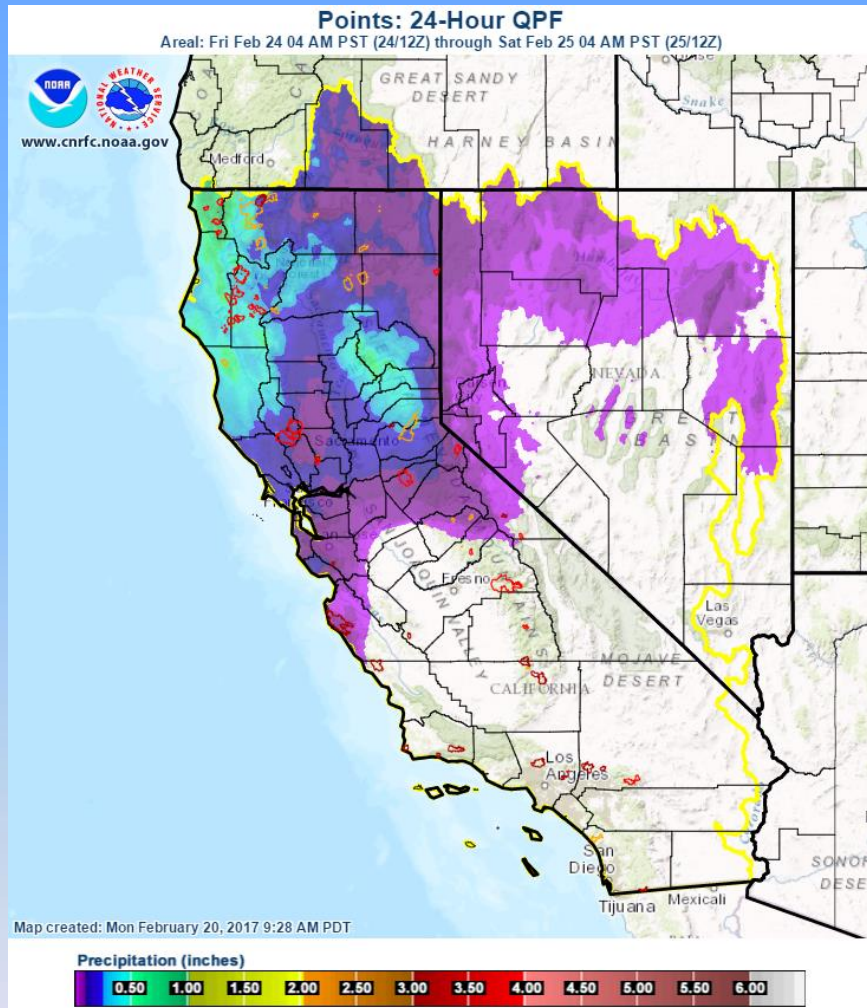
Precipitation (inches)



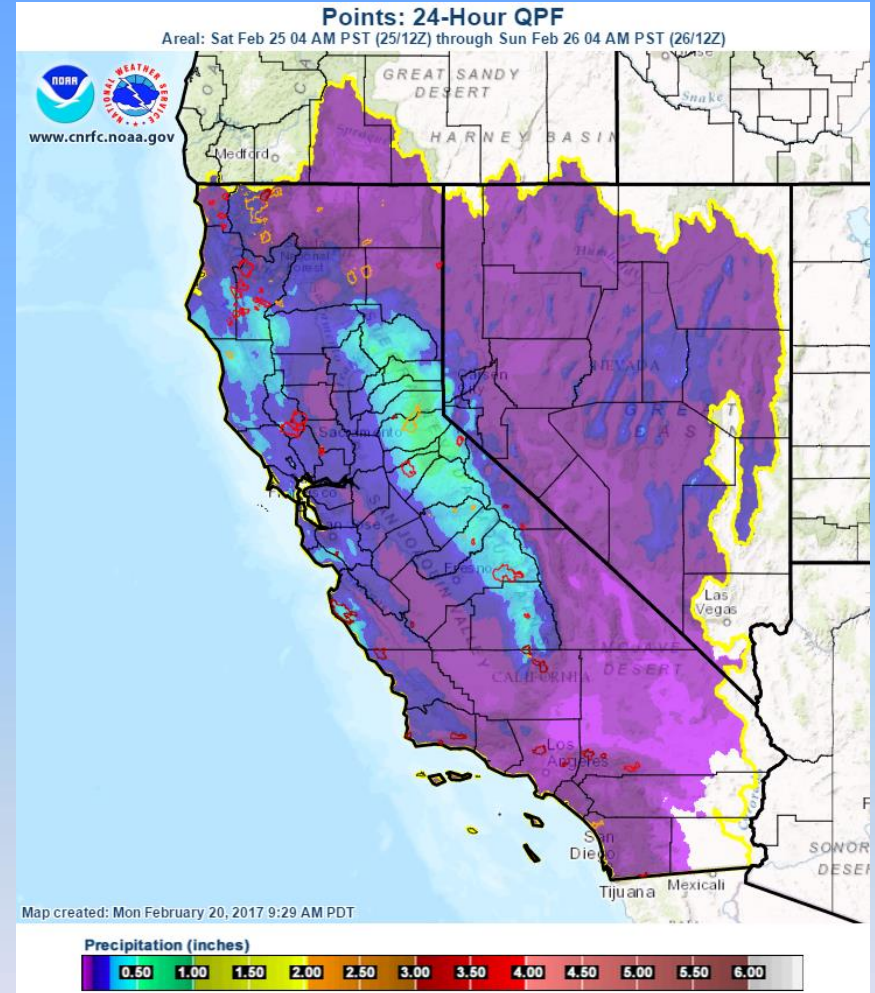
Thursday



Days 5-6 Precipitation Forecast



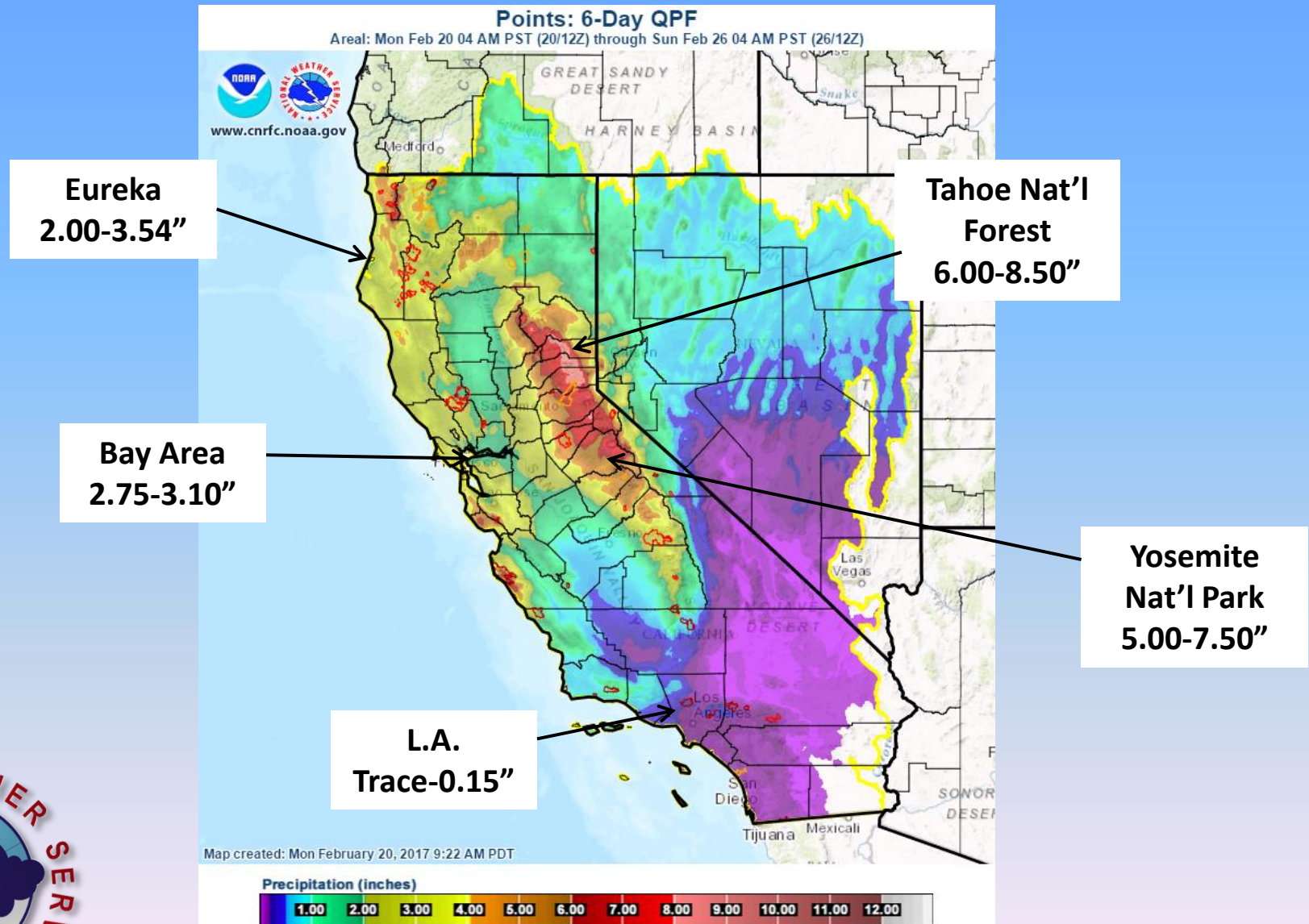
Friday



Saturday



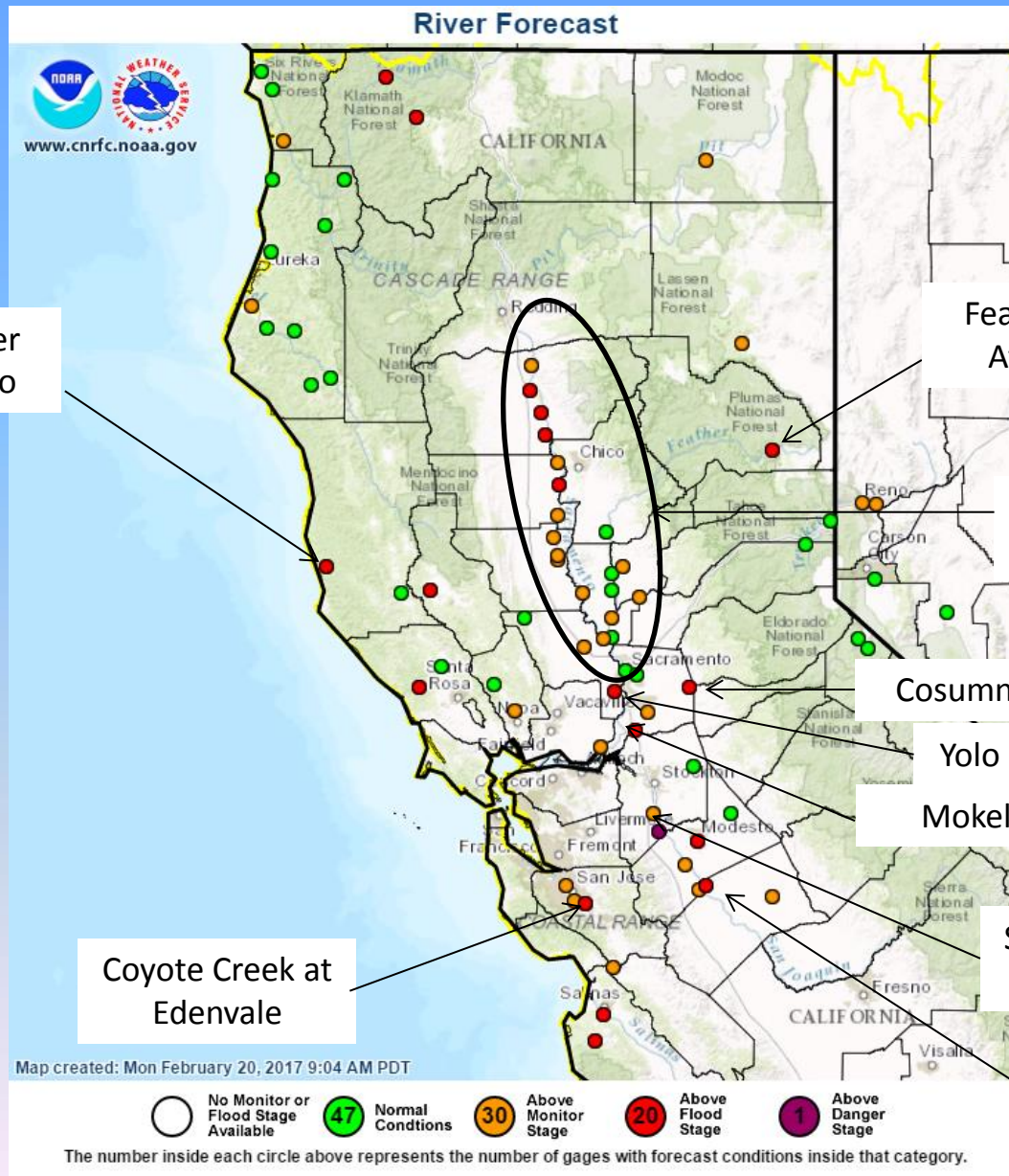
6 Day Precipitation Forecast



Valid Monday, February 20, 2017 – Sunday, February 26, 2017.



River Forecasts



River Forecasts

Sacramento River – Many points expected to remain in minor to moderate flooding today, with additional increases expected Monday into Tuesday. Varying impacts: <http://water.weather.gov/ahps2/forecasts.php?wfo=sto>

Middle Fork Feather River Near Portola, CA – Cresting at 10.9 ft early Wednesday. Similar flooding as January 9-10, 2017, but not nearly as high as what was experienced in early February 2017. Estimated impacts at 10 feet are moderate flooding of lowlands, structures and roads from Beckwourth to Sloat, CA, including Portola. Sleepy Pines Motel and other low structures along river in Portola flood. Evacuation of homes on south end of West Street likely to begin. Sewage ponds in Portola may exceed capacity and may need to release to river. River near foundation of Veterans Hall in Portola, CA. Highway 89 near Clio flooded. About 6450 cfs. Like flood of March 27, 1971.

Cosumnes River at Michigan Bar – Forecast to reach flood stage this afternoon, with a crest of 14.6 ft tonight. Estimated impacts indicate this would again create flooding of houses in Wilton due to overtopping of the south bank levee near Wilton.

Tuolumne River - Modesto– Forecast to remain in Minor Flood into next week, with a crest at 60 ft on Wednesday Night. At 60 feet, water will remain in the river with no impacts to Modesto.

San Joaquin River at Vernalis – Forecast to remain at Danger Stage and continue increasing to 30.0 ft by Wednesday Night. Impacts at 26 feet include: Severe seepage occurs outside the levees. The area covered by seepage will increase as the river stage rises.

Mokelumne River at Benson's Ferry – Forecast to reach minor flood stage Tuesday with a crest of 18.1 ft Wednesday. Impacts at 17.25 ft estimated to be just to some local farm roads closing and flooded low lying areas along the river.

Yolo Bypass – Forecast to continue at minor flood stage through this week with a crest of 23.2 ft Wednesday.

Coyote Creek – South Bay potentially could reach record levels Tuesday due to an expected 10,000 cfs pouring over into the creek from the Anderson Dam spillway. Currently forecast to reach 12.4 ft at Edenvale which would create moderate flooding can in homes and businesses along Coyote Creek south of Interstate 880. The Southern Pacific railroad tracks near Old Oakland Road north of US Highway 101 will become inundated. Homes near Needles Drive and Rock Springs Drive are expected to flood. Homes and businesses near Williams and 17th Streets, along with East Williams and East San Fernando Streets will experience flooding. Low-lying areas in Kelly and Watson Parks will become flooded.

Information provided by:

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